DOODDHH LOZIIOI

A compound of the Formula IA, IB, IIA, IIB, IIIA or IIIB: 1.

wherein:

 R^1 is selected from the group consisting of C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, C_3 - C_6 cycloalkyl, C_4 - C_7 5 cycloalkylalkyl and benzyl, each of which is optionally substituted with 1 to 3 substituents independently selected at each occurrence from C_1 - C_3 alkyl, halogen, -CN, -OR⁸ and -NR⁸R⁹;

 R^2 is selected from the group consisting of H, C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl C_3 - C_6 cycloalkyl, C_4 - C_7 cycloalkylalkyl and C_1 - C_6 haloalkyl;

 R^3 is selected from the group consisting of H, halogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_3 - C_6 cycloalkyl, wherein C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_3 - C_6 cycloalkyl are optionally substituted with 1 to 3 substituents selected independently at each occurrence from OR^8 and $NR^8R_1^7$;

R⁴, R⁵ and R⁶ are each independently selected at each occurrence thereof from the group consisting of H, halogen, - OR¹⁰, -NO₂, NR¹⁰R¹¹, -NR¹⁰C(O)R¹¹ -NR¹⁰C(O)NR11R¹², -S(O)_nR¹¹, -CN, -C(O)R¹¹, -C(O)₂R¹¹, -C(O)NR¹¹R¹², C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₃-C₆ cycloalkyl and C₄-C₇ cycloalkylalkyl, wherein each of C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₃-C₆ cycloalkylalkyl are optionally substituted with 1 to 3 substituents independently selected at each occurrence from C₁-C₃ alkyl, halogen, =O, -CN, -OR⁸, -NR⁸R⁹ and phenyl, and wherein phenyl is optionally substituted 1-3 substituents selected independently at each occurrence from Alogen, -CN, C₁-C₄ alkyl, C₁-C₄ haloalkyl, -OR⁸ and -NR⁸R⁹;

alternatively R^5 and R^6 are $-6 - C(R^{11})_2 - 0 - ;$

 ${\ensuremath{\mathsf{R}}}^7$ is selected from the group consisting of H, halogen and ${\ensuremath{\mathsf{OR}}}^{10};$

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R⁸ and R⁹ are each independently selected from the group C_1-C_4 alkyl, C_1-C_4 haloalkyl, οf Η, alkoxyalkyl, C_1-C_4 alkoxyalk $\sqrt[4]{1}$ lalkyl, C_3-C_6 cycloalkyl, $-C(0)R^{12}_{\parallel}$, phenyl and benzyl, wherein cylcoalkylalkyl, phenyl and benzyl are optionally substituted with 1 to 3 substituents selected independently at each occurrence from halogen, cyano, C_1 - C_4 alkyl † , C_1 - C_4 haloalkyl, C_1 - C_4 alkoxy and C_1-C_4 haloalkoxy, or R^8 and R^9 are taken together with the nitrogen to which they are attached to form a piperidine, pyrrolidine, piperazine, \(\lambda N\)-methylpiperazine, morpholine, or thiomorpholine ring;

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 R^{10} is selected from the group consisting of H, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 alkoxyalkyl, C_3 - C_6 cycloalkyl, C_4 - C_7 cycloalkylalkyl, -C(O) R^{12} , phenyl and benzyl, wherein phenyl and benzyl are optionally substituted with 1 to 3 substituents selected independently at each occurrence from halogen, -NH₂, -OH, cyano, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 alkoxy and C_1 - C_4 haloalkoxy;

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 R^{11} is selected from the group consisting of H, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 alkoxyalkyl, C_3 - C_6 cycloalkyl, C_4 - C_7 cycloalkylalkyl, phenyl and benzyl, where phenyl and benzyl are optionally substituted with 1 to 3 substituents selected independently at each occurrence from halogen, -NH₂, -OH,

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cyano, C₁-C₄ alkyl, C₁-C₄ haloalkyl, C₁-C₄ alkoxy and C₁-C₄ haloalkoxy, or R¹⁰ and R¹¹ are taken together with the nitrogen to which they are attached to form a piperidine, pyrrolidine, N-methylpiperazine, morpholine, or thiomorpholine ring, with the proviso that only one of R⁸ and R⁹ or R¹⁰ and R¹¹ are taken together with the nitrogen to which they are attached to form a piperidine, pyrrolidine, piperaine, N-methylpiperazine, morpholine, or thiomorpholine ring;

 R^{12} is selected from the group consisting of C_1 - C_4 alkyl, C_1 - C_4 haloalkyl and phenyl;

X is selected from the group consisting of 0, NR^{13} and S, with the proviso that X is not NR^{13} when a compound is of Formula (IA);

n is 0, 1, or 2; and,

 R^{13} is selected from the group consisting of H, C_1 - C_6 alkyl, benzyl and phenyl, wherein C_1 - C_6 alkyl, benzyl and phenyl are optionally substituted with 1-3 substituents independently at each occurrence from halogen, -NH₂, -OH, cyano, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 alkoxy and C_1 - C_4 haloalkoxy.

- 2. The compound of claim 1, wherein R^1 is C_1 - C_6 alkyl.
- 3. The compound of claim 2, wherein R¹ is CH₃.

- The compound of claim $1/\sqrt{1}$, wherein R^2 is H, C_1-C_6 alkyl, C_3- 4. C_6 cycloalkyl, or C_1 - C_6 haloalkyl.
- The compound of claim A_i wherein R^2 is H or C_1 - C_6 alkyl. 5.
- The compound of claim 5, wherein R^2 is H. 6.
- The compound of claim 1, wherein R3 is at each occurrence 7. thereof independently H, halogen, C1-C6 alkyl, or C1-C6 alkyl substituted with from 1 to 3 of OR8 or NR8R9.
- Claim 7, wherein R^3 is H or C_1 - C_6 alkyl. The compound of 8.
- The compound of claim 8, wherein R3 is H. 9.
- The compound of q laim 1, wherein R^1 is CH_3 , R^2 is H and R^3 10. is H.
- 109902845 D71101 The compound of claim 1, wherein R^4 , R^5 and R^6 are each 11. independently $H/\!\!/$ halogen, C_1 - C_6 alkyl or $-OR^{10}$. 20
 - The compound of claim 11, wherein at least one of R^4 , R^5 12. and R^6 is H.
 - The compound of claim 12, wherein each of R^4 , R^5 and R^6 25 13. are H.
 - The compound of claim 12, wherein one of R^4 , R^5 and R^6 is halogen.

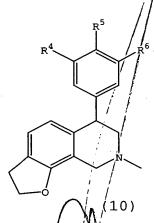
- 15. The compound of claim 1, wherein R^1 is CH_3 , R^2 and R^3 are each H, and at least one of R^4 , R^5 and R^6 is H.
- 16. A compound of Formula (10) of claim 1:

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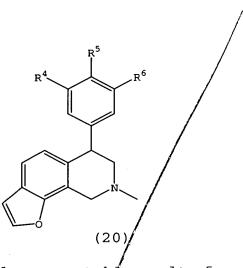
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or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:

- a compound of Formula (10) wherein R^4 is H, R^5 is H and R^6 is H;
- a compound of Formula (10) wherein R^4 is H, R^5 is Me and R^6 is H;
- a compound of Formula (10) wherein R^4 is Cl, R^5 is H and R^6 is H; and
- a compound of Formula (10) wherein R⁴ is H, R⁵ is F and R⁶ is H.
- 25 17. A compound of Formula (20) of claim 1:



or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:

a compound of Formula (20) wherein R^4 is H, R^5 is H and R^6 is H;

- a compound of Formula (20) wherein R^4 is H, R^5 is Me and R^6 is H;
- a compound of Formula (20) wherein R^4 is H, R^5 is Cl and R^6 is H;
- a compound of Formula (20) wherein R^4 is H, R^5 is F and R^6 is H; and
- a compound of Formula (20) wherein R⁴ is F, R⁵ is H and R⁶ is F.
- 18. A compound of Formula (30) of claim 1:

- a compound of Formula (30) wherein R^3 is H, R^4 is H, R^5 is H and R^6 is H;
- a compound of Formula (30) wherein R^3 is H, R^4 is F, R^5 is F and R^6 is H;
- a compound of Formula (30) wherein R^3 is H, R^4 is F, R^5 is H and R^6 is F;
- a compound of Formula (30) wherein R^3 is H, R^4 is H, R^5 is F and R^6 is H;
- a compound of Formula (30) wherein R^3 is H, R^4 is C1, R^5 is H and R^6 is H;
- a compound of Formula (30) wherein R^3 is H, R^4 is H, R^5 is Cl and R^6 is H;
- 25 a compound of Formula (30) wherein R^3 is H, R^4 is H, R^5 is Cl and R^6 is F;
 - a compound of Formula (30) wherein R^3 is H, R^4 is H, R^5 is F and R^6 is Cl;

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- a compound of Formula (30) wherein \mathbb{R}^3 is H, \mathbb{R}^4 is F, \mathbb{R}^5 is H and \mathbb{R}^6 is Cl;
- a compound of Formula (30) wherein R^3 is H, R^4 is H, R^5 is OMe and R^6 is H; and
 - a compound of Formula (30) wherein R^3 is H, R^4 is F, R^5 is H and R^6 is H.
 - 19. A compound of Formula (40) of claim 1:

- or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:
 - a compound of Formula (40) wherein R^3 is H, R^4 is H, R^5 is H and R^6 is H;
 - a compound of Formula (40) wherein R^3 is H, R^4 is F, R^5 is F and R^6 is H;
- 25 a compound of Formula (40) wherein R^3 is H, R^4 is F, R^5 is H and R^6 is F;
 - a compound of Formula (40) wherein R^3 is H, R^4 is F, R^5 is H and R^6 is H;

or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of: GOCTOR OF LICE

a compound of Formula, (50) wherein R³ is H, R⁴ is H, R⁵ is H and R is H.

A compound of Formula (60) of claim 1: 21.

or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:

- a compound of Formula (60) wherein R^3 is H, R^4 is H, R^5 is H, R^6 is H and $R^{1/3}$ is H;
- 20 a compound of Formula (60) wherein R^3 is H, R^4 is H, R^5 is H, R^6 is H and R^{13} is Me;

	a compound of Formula (60) wherein R^3 is H, R^4	is H. R ⁵	is
	H, R ⁶ is H and R ¹³ is Et	10 11, 11	
5	a compound of Formula (60) wherein R^3 is H, R^4 : F, R^6 is F and R^{13} is H,	is H, R ⁵	is
	a compound of Formula (60) wherein R^3 is H, R^4 : F, R^6 is F and R^{13} is Me;	is H, R ⁵	is
10	a compound of Formula (60) wherein R^3 is H, R^4	is F, R ⁵	is
0 - <u>0</u>	H, R^6 is F and R^{13} is H; a compound of Formula (60) wherein R^3 is H, R^4	is F, R ⁵	is
크5 집 화	H, R ⁶ is F and R ¹³ /is Me;		
0 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	a compound of Formula (60) wherein R^3 is H, R^4 i H, R^6 is H and R^{13} is H;	s Cl, R	is
2 0	a compound of Formula (60) wherein R^3 is H, R^4 i H, R^6 is H and R^{13} is Me;	s Cl, R ⁵	is
	a compound of Formula (60) wherein R^3 is H, R^4 : H, R^6 is H and R^{13} is H;	is F, R ⁵	is
25	a compound of Formula (60) wherein R ³ is H, R ⁴	is H, R ⁵	is
	F, R^6 is H and R^{13} is H; a compound of Formula (60) wherein R^3 is H, R^4	is F, R ⁵	is
30	Cl, R^6 is H and R^{13} is H; a compound of Formula (60) wherein R^3 is H, R^4 :	is F R ⁵	ia
	Cl, R^6 is H and R^{13} is Me;		
35	a compound of Formula (60) wherein R^3 is H, R^4 i F, R^6 is H and R^{13} is H; and	s Cl, R ⁵	is

- a compound of Formula (60) wherein R^3 is H, R^4 is Cl, R^5 is F, R^6 is H and R^{13} is Me.
- 5 22. A compound of Formula (70) of claim 1:

$$R^{13}$$
 R^{3}
 R^{3}
 R^{4}
 R^{5}
 R^{6}
 R^{6}

- or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:
 - a compound of Formula (70) wherein R^3 is H, R^4 is H, R^5 is H, R^6 is H and R^{13} is H;
 - a compound of Formula (70) wherein R^3 is H, R^4 is H, R^5 is H, R^6 is H and R^{13} is Me.
 - a compound of Formula (70) wherein R^3 is H, R^4 is H, R^5 is H, R^6 is H and R^{13} is Et;
 - a compound of Formula (70) wherein R^3 is H, R^4 is H, R^5 is H, R^6 is H and R^{13} is Bn;
- 25 a compound of Formula (70) wherein R^3 is H, R^4 is H, R^5 is F, R^6 is F and R^{13} is H;
 - a compound of Formula (70) wherein R^3 is H, R^4 is H, R^5 is F, R^6 is F and R^{13} is Me;

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- 5 or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:
 - a compound of Formula (80) wherein R^4 is H, R^5 is H and R^6 is H;
 - a compound of Formula (80) wherein R^4 is H, R^5 is F and R^6 is H; and
 - a compound of Formula (80) wherein R^4 is H, R^5 is F and R^6 is F.
 - 24. A compound of Formula (90) of claim 1:

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25 or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:

- a compound of Formula (90) wherein R^4 is H, R^5 is H and R^6 is H.
- a compound of Formula (90) wherein R^4 is H, R^5 is F and R^6 is F; and
- a compound of Formula (90) wherein R^4 is H, R^5 is F and R^6 is H.
- 25. A compound of Formula (100) of claim 1:

- or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:
 - a compound of Formula (100) wherein R^4 is H, R^5 is H, R^6 is H and R^{13} is H.
- 26. A compound of Formula (110) of claim 1:

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(110)

or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:

- a compound of Formula (110) wherein R⁴ is H, R⁵ is H and R⁶ is H;
- 10 a compound of Formula (110) wherein R^4 is H, R^5 is F and R^6 is F;
 - a compound of Formula (110) wherein R^4 is H, R^5 is F and R^6 is H;
 - a compound of Formula (110) wherein R^4 is H, R^5 is H and R^6 is Cl;
 - a compound of Formula (110) wherein R^4 is H, R^5 is Cl and R^6 is F;
 - a compound of Formula (110) wherein R^4 is H, R^5 is F and R^6 is Cl; and
 - a compound of Formula (110) wherein R^4 is H, R^5 is OMe and R^6 is H.
 - 27. A compound of Formula (120) of claim 1:

R⁴ R⁶

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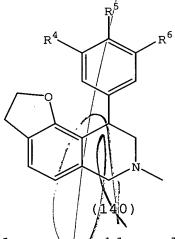
or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:

- a compound of Formula (120) wherein R^4 is H, R^5 is H and R^6 is H;
- a compound of Formula (120) wherein R^4 is H, R^5 is F and R^6 is F;
- 10 a compound of Formula (120) wherein R^4 is H, R^5 is F and R^6 is H;
 - a compound of Formula (120) wherein R^4 is H, R^5 is H and R^6 is Cl;
 - a compound of Formula (120) wherein R^4 is H, R^5 is Cl and R^6 is F;
 - a compound of Formula (220) wherein R^4 is H, R^5 is OMe and R^6 is H; and
 - a compound of Formula (120) wherein R^4 is H, R^5 is F and R^6 is Cl.
 - 28. A compound of Formula (130) of claim 1:

or a pharmaceutical y acceptable salt form thereof selected from the group consisting essentially of:

- a compound of Formula (130) wherein R^4 is H, R^5 is H and R^6 is H; and
- 5 a compound of Formula (130) wherein R⁴ is H, R⁵ is Bn and R⁶ is H.
- 10 29. A compound of Formula (140)/of claim 1:

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- or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:
- a compound of Formula (140) wherein R^4 is H, R^5 is H and R^6 is H;
 - a compound of Formula (140) wherein R^4 is H, R^5 is F and R^6 is H;
- 25 a compound of Formula (140) wherein R^4 is H, R^5 is F and R^6 is Cl;
 - a compound of Formula (140) wherein R^4 is H, R^5 is Cl and R^6 is F;
 - a compound of Formula (140) wherein R^4 is H, R^5 is H and R^6 is Cl;

- a compound of Formula (140) wherein R^4 is H, R^5 is OMe and R^6 is H;
- a compound of Formula (140) wherein R^4 is H, R^5 is F and R^6 is F.
 - 30. A compound of Formula (150) of claim 1:

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- or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:
 - a compound of Formula (150) wherein R^4 is H, R^5 is H and R^6 is H;
- 20 a compound of Formula (150) wherein R^4 is H, R^5 is F and R^6 is H;
 - a compound of Formula (150) wherein R^4 is H, R^5 is F and R^6 is Cl;
 - a compound of Formula (150) wherein R^4 is H, R^5 is Cl and R^6 is F;
- a compound of Formula (150) wherein R^4 is H, R^5 is H and R^6 is Cl;
 - a compound of Formula (150) wherein R^4 is H, R^5 is OMe and R^6 is H; and

a compound of Formula (150) wherein \mathbb{R}^4 is H, \mathbb{R}^5 is F and \mathbb{R}^6 is F.

31. A compound of Formula (160) of claim 1:

or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:

a compound of Formula (160) wherein R^4 is H, R^5 is H and R^6 is H.

20 32. A compound of Formula (170) of claim 1:

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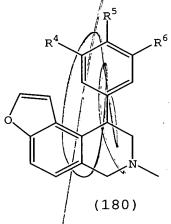
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or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:

- a compound of Formula (170) wherein R^4 is H, R^5 is H and R^6 is H;
 - a compound of Formula (170) wherein R^4 is H, R^5 is F and R^6 is H; and
- 10 a compound of Formula (170) wherein R^4 is H, R^5 is F and R^6 is F.
 - 33. A compound of Formula (180) of claim 1:



- 20 or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:
 - a compound of Formula (180) wherein R^4 is H, R^5 is H and R^6 is H;
 - a compound of Formula (180) wherein R^4 is H, R^5 is F and R^6 is H; and
 - a compound of Formula (180) wherein R^4 is H, R^5 is F and R^6 is F.
 - 34. A compound of Formula (190) of claim 1:

or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:

a compound of Formula (190) wherein R^4 is H, R^5 is H and R^6 is H.

35. A compound of Formula (200) of claim 1:

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$$R^{1/3}$$
 N (200)

or a pharmaceutically acceptable salt form thereof selected from the group consisting essentially of:

a compound of Formula (200) wherein R^4 is H, R^5 is H, R^6 is H and R^{13} is H; and

a compound of Formula (200) wherein R^4 is H, R^5 is H, R^6 is H and R^{13} is Me.

- 36. A compound of claim 1 selected from the group consisting of: (R)-2-methyl-4-phenyl-1,2,3,4,8,9-hexahydro-furo[2,3hlisoquinoline; (S)-2-methyl-4-phenyl-1,2,3,4,8,9-hexahydro-furo[2,3hlisoquinoline; (R)-7-methyl-5-phenyl-5,6,7,8-tetrahydro-furo[3,2-10 g]isoquinoline; (S)-7-methyl-5-phenyl-5,6,7,8-tetrahydro-furo[3,2g]isoquinoline; HOODING OF THE (R)-4-(4-fluoro-phenyl)-2-methyl-1,2,3,4-tetrahydrofuro[2,3-h]isoquinoline; (S)-4-(4-fluoro-phenyl)-2-methyl-1,2,3,4-tetrahydrofuro[2,3-h]isoquinoline; (R)-4-(3,4-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydrofuro[2,3-h]isoquinoline; (S)-4-(3,4-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydrofuro[2,3-h]isoquinoline;/ (R)-2-methyl-4-phenyl-1,2,3,4-tetrahydro-furo[2,3h]isoquinoline; 30 (S) -2-methyl-4-phenyl-1,2,3,4-tetrahydro-furo[2,3h]isoquinoline; (R) - 4 - (4 - chloro-phenyl) - 2 - methyl - 1, 2, 3, 4 - tetrahydro-35 furo[2,3-h]isoquinoline; (S)-4-(4-chloro/-phenyl)-2-methyl-1,2,3,4-tetrahydrofuro[2,3-h]isoquinoline;
- 45

h]isoquinoline;

h]isoquinoline;

(R)-8-methyl-6-phenyl-2,3,6,7,8,9-hexahydro-furo[3,2-

 $(S) - 8 - \text{methyl} = \frac{1}{6} - \text{phenyl} = 2, 3, 6, 7, 8, 9 - \text{hexahydro-furo} = [3, 2 - 1]$

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(R)-4-(4-fluoro-phenyl)-2-methyl/1,2,3,4-tetrahydro-
     furo[2,3-h]isoquinoline;
          (S)-4-(4-fluoro-phenyl)-2-methy1-1,2,3,4-tetrahydro-
     furo[2,3-h]isoquinoline;
  5
          (R)-4-(3,5-difluoro-phenyl)-2/-methyl-1,2,3,4-tetrahydro-
     furo[2,3-h]isoquinoline;
          (S)-4-(3,5-difluoro-phenyl)/2-methyl-1,2,3,4-tetrahydro-
 10
     furo[2,3-h]isoquinoline;
          (R)-2-methyl-4-phenyl-2,3/4,7-tetrahydro-1H-pyrrolo[2,3-
     h]isoquinoline; and
(S)-2-methyl-4-phenyl-2/3,4,7-tetrahydro-1H-pyrrolo[2,3-
     h]isoquinoline.
          A compound of claim 1 selected from the group consisting
     37.
     of:
          (+) -2-methyl-4-phenyl \frac{1}{4}, 2, 3, 4, 8, 9-hexahydro-furo [2, 3-
     h]isoquinoline;
           (-)-2-methyl-4-ph/en/yl/-1/2,3,4,8,9-hexahydro-furo[2,3-
上
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     h]isoquinoline;
           (+)-7-methyl-5-phenyl-5,6,7,8-tetrahydro-furo[3,2-
 30
     g]isoquinoline;
          (-)-7-methyl-5-phenyl-5,6,7,8-tetrahydro-furo[3,2-
     g]isoquinoline;
 35
          (+)-4-(4-fluor \circ -phenyl)-2-methyl-1,2,3,4-tetrahydro-
     furo[2,3-h]isoquino/line;
          (-) -4 -(4 -fluor ro -phenyl) -2 -methyl -1, 2, 3, 4 -tetrahyd ro
     furo[2,3-h]isoquinoline;
 40
          (+)-4-(3,4-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-
     furo[2,3-h]isoquinoline;
           (-) -4-(3,4 difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-
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furo[2,3-h]isoquinoline;

- (+)-2-methyl-4-phenyl-1,2,3,4/tetrahydro-furo[2,3h]isoquinoline;
- (-)-2-methyl-4-phenyl-1,2,3,4-tetrahydro-furo[2,3-5 h]isoquinoline;
 - (+)-4-(4-chloro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-h] isoquinoline;
- (-)-4-(4-chloro-phenyl)-2'-methyl-1,2,3,4-tetrahydrofuro[2,3-h]isoquinoline;

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- (+)-8-methyl-6-phenyl-2,3,6,7,8,9-hexahydro-furo[3,2h]isoquinoline;
- (-) -8-methyl-6-phenyl $\frac{1}{2}$, 3, 6, 7, 8, 9-hexahydro-furo[3, 2-h] isoquinoline;
- (+)-4-(4-fluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-h]isoquinoline;
- (-)-4-(4-fluoro-phenyl) 2-methyl-1,2,3,4-tetrahydro-furo[2,3-h]isoquinoline;
- (+)-4-(3,5-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-h]isoquinoline;
- (-) -4-(3,5-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-h] isoquinoline;
- (+)-2-methyl-4-phenyl-2,3,4,7-tetrahydro-1H-pyrrolo[2,3-h]isoquinoline; and
- (-)-2-methyl-4-phenyl-2,3,4,7-tetrahydro-1H-pyrrolo[2,3-35 h]isoquinoline.
- 38. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a therapeutically 40 effective amount of a compound of claim 1.
 - 39. A method of treating an animal afflicted with a neurological or psychological disorder selected from the group

deficit-hyperactivity disorder, consisting of attention ∮post-traumatic disorder, depression, stress anxiety, supranuclear palsy, feeding disorders, obsessive compulsive analgesia/, /smoking cessation, panic 5 Parkinson's and phobia, said method comprising administering to the animal the pharmaceutical composition of claim 38.

40. The method of claim 39 for treating attention deficithyperactivity disorder.